

AMENDMENT TO THE ABSTRACT

The following abstract will replace all prior versions of the abstract in the application:

ABSTRACT

A method for manufacturing a fuel cell separator (18) for sandwiching from both sides via diffusion layers (15, 16) an anode (13) and a cathode (14) disposed on an electrolyte membrane (12). This manufacturing method ~~is made up~~ efincludes mixing a thermoplastic resin (46) and a conductive material (45) to make a mixture (50), forming a separator starting material (68) with ~~this~~the mixture, and irradiating a contact face (20b, 30b) of this separator starting material with an electron beam (72), ~~hardening and hardens~~ the contact face of the separator. Even when reaction heat is produced in the fuel cell (10), elasticity of the separator contact face is ensured.